# Operation of the Buckley lab speed-vac

1. Turn on the main power.
2. If heat is desired, set the proper temperature.
3. Hold down **Start** and **Stop** keys simultaneously to begin warming up the pump.
   * Allow 10 minutes for the pump to warm up.
   * When done warming up, press **Stop**.
4. Toggle to the desired function by pressing and holding the **Brake** and **Set Temp** keys simulantaneously.
   * **Function 1:** for EtOH precipitation
   * **Function 2:** for high vapor pressure solvents
   * **Function 3:** for aqueous solutions
   * **Note:** On start-up, the device defaults to Function 1.
5. Hit **Start** to begin the run.
   * Check samples every ~10-15 min to make sure they are concentrating properly
6. Hit **Stop** to end the run.
7. Remove samples
8. Hold down **Start** and **Stop** keys to restart the vacuum pump.
9. Hold down the **Start** key for **5 seconds** to purge moisture/solvents from the vacuum pump.
10. When done, hit the **Stop** key to shut off the pump.
11. Turn the main power off.

**WARNING: Since this device does not currently contain a cooling trap, this unit should not be used with the following materials:**

* Poisonous liquids
* Pathogenic bacteria
* Corrosive liquids
* Caustic liquids
* Hazardous liquids
* Phenol
* Chloroform
* Formamide

**Note:** This unit spins at 1,200 rpm.